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Surrey

Egham Urban Sanitary District.

REPORT

OF

THE MEDICAL OFFICER OF HEALTH

FOR

1913.

Egham Urban Sanitary District.

REPORT

TO THE URBAN DISTRICT COUNCIL OF

EGHAM, SURREY,

FOR

THE YEAR ENDING DECEMBER 31ST, 1913,

BY

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MEDICAL OFFICER OF HEALTH.

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Egham Urban Sanitary District.

STATISTICAL DETAILS OF CENSUS, 1911.

Area of District 7,786 acres

Land, 7,621 acres. Inland Water, 165 acres.

Population 12,551

Nett Population after deducting inmates of Institutions, 11,686.

Occupied Houses 2,782

Giving a density of occupation of 4·5 per house and about five per acre.

Geological Character.—East of the South - Western Railway the district is on the river drift gravels, to the west of this line it is mainly on the Bagshot formation except between Englefield Green and Virginia Water, where the London clay prevails.

Population.—In the last ten year census period 1901-1911 there was an average increase of population in the district of 65·6 persons per annum. In the year 1913, 124 deaths were registered in the district, of these twenty-one were of persons who were only temporarily residing in Egham, mostly at the Holloway Sanatorium. These have to be deducted and the deaths of seventeen residents of Egham who died away from home added. Thus making the actual number of deaths for the district, 120. During the year 251 births were registered, so that the increase of births over deaths is 131, for the year 1913. There are, however, a considerable number of empty houses and there are no industrial occupations to keep the young persons of either sex in the district. Therefore, it is estimated that at present a very small increase is taking place. The population estimated to the middle of the year is 12,679.

Housing.—The importance of the work done under this heading in connection with the health of the community can hardly be over-estimated. The dwellings of the working classes in Egham are almost entirely of a good type and are generally in a satisfactory state of repair.

Although very little building is going on there is no dearth of cottages, probably owing to families migrating in search of employment. Five new houses were built during the year and twelve plans passed.

STATEMENT required by Article V. of the housing (Inspection of District) Regulations, 1910, in regard to the inspection of dwelling-houses under Section 17 of the Housing, Town Planning, &c., Act, 1909.

Number of dwelling-houses inspected under and for the purposes of the Section	...	...	...	...	...	...	...	70
Number of such dwelling-houses which were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	...	...	...	6
Number of dwelling-houses in respect of which representations were made to the local authority with a view to the making of closing orders	...	...	...	...	...	...	...	6
Number of dwelling-houses in respect of which closing orders were made by the local authority	...	...	...	...	...	...	...	6
Number of dwelling-houses the defects in which were remedied without the making of closing orders	...	...	...	...	...	...	...	25
Number of dwelling-houses which, after the making of closing order, were made fit for human habitation	...	...	...	...	...	...	...	—
General Character of the defects found to exist in the dwelling-houses inspected	...	...	...	...	...	...	...	—
Ceilings dirty, walls requiring papering and distempering, wood work painting and the roofs repairing	...	...	...	...	...	...	...	—

Sewerage and Scavenging.—No part of the district is sewered. Scavenging of dry refuse is carried out by the Authority. In cases where difficulty has been experienced in disposing of the contents of pail closets by the occupants of houses, the Authority has undertaken the work.

The approximate number of the various forms of closet in use is—

Privies	...	...	...	...	30
Earth Closets	...	...	...	...	42
Cistern Flushed Water Closets	...				1,225
Hand Flushed	...	...	...	...	1,445

Water Supply.—The mains of the South-West Suburban Water Company supply the greater part of the district. The water supplied by this company is of better quality than formerly. The more rural parts of the district depend chiefly on wells which, however, are getting fewer as the Water Company extends its service. Five samples of well water were submitted to analysis, two of which were condemned.

Isolation Hospital.—During the year an entrance lodge has been erected for the use of the porter, and the nurses' quarters remodelled. This has met a long-felt want.

An excellent ambulance has been purchased. A complete change of staff has been made and the various members work together in an efficient and harmonious manner. The buildings, &c., are well kept, clean, and the institution is thoroughly well administered. 33 cases—14 scarlet fever, 19 Diphtheria were admitted.

Notifiable Infectious Disease.—The number of cases of the various infectious diseases notified during the year are given in the subjoined table. The two previous years are given for comparison—

			1911.		1912.		1913.
Scarlet Fever	...	...	23	...	25	...	14
Diphtheria	...	...	15	...	11	...	21
Erysipelas	...	...	10	...	7	...	13
Enteric Fever	...	...	—	...	2	...	—
Puerperal Fever	...		—	...	—	...	1
Ophthalmia Neonatorum			—	...	1	...	—
			48		46		49

Scarlet Fever.—The number of cases (14) notified of this disease is much below the average of the last five years. One fatal case was registered. Two of the cases were imported, one person knowingly travelling in an infectious state and causing a spread of the disease in Egham.

Diphtheria.—An outbreak occurred in the autumn among the children at Bishopsgate School which had to be closed for a time. It was found that prior to the first case being notified many children in that part of the district had suffered from sore throat. Altogether 21 cases were notified, of which 5 proved fatal.

Tuberculosis.—Thirty-one cases of pulmonary tuberculosis and nineteen "other forms of tuberculosis" were notified. There is a certain difficulty in making an absolutely positive diagnosis in many of the latter class of cases. Treatment of this disease is undertaken by the County Council and persons are beginning to avail themselves of it. Ten deaths were registered from the various forms of this disease, being 0.78 per 1,000 of estimated population.

Non-Notifiable Infectious Diseases. — WHOOPING COUGH.—This disease was prevalent in February and several cases were reported among the children attending Thorpe Road and Egham Hythe School. In the Autumn an outbreak occurred at Virginia Water and it was considered advisable to close the school for a period. One death was registered.

MEASLES.—A number of cases were reported from Englefield Green in February and March, and two fatal cases were recorded.

CHICKEN POX.—The number of cases of this complaint reported was very few. No special comment is necessary.

SCHOOLS.—The Elementary Schools of the district were frequently inspected, they are well maintained, always found to

be clean and with a sufficient water supply. In one or two cases the playgrounds require levelling, as in wet weather the water stands in pools.

Sanitary Work.—The Inspector, Mr. W. Simpson, reports having visited 198 premises during the year—14 complaints were received and 42 detailed inspections made.

Eighty-two nuisances were discovered.

The chief being—

House drains	...	...	...	31
Slaughterhouses	...	...	...	2
Bakehouses	...	...	...	2
Overcrowded houses	...	...	...	6
Dilapidated houses	...	...	...	8
Other nuisances	...	...	...	26

Nuisances were abated on 31 premises, twenty formal notices were served, but in no instance was it necessary to institute legal proceedings.

Thirty-nine premises were disinfected after infectious diseases.

Five new water supplies from wells were inspected and assed.

Thirty-three samples of food were analysed under the "Sale of Food and Drugs Act," and one sample of sugar was found to be adulterated.

All the premises used for the preparation of food were regularly and frequently inspected, both by the Medical Officer of Health and the Sanitary Inspector. These were in nearly every instance found to be well kept, clean and satisfactory. In a few instances a few defects were noted and subsequently remedied by the owner or occupier concerned. No case of tuberculosis in animals or meat was discovered. The slaughterhouses were visited frequently while work was being done. The milk supply of the district is ample, both in quality and quantity.

The cowsheds, dairies, and milkshops were frequently visited and found to be clean, well kept and satisfactory.

Workshop and Factory Act.—The district is high-class, residential in character, and essentially non-industrial. Twenty-three workshops, including laundries and bakehouses were frequently inspected. One defect, want of separate closet accommodation was discovered and subsequently remedied. In every other instance they were found to be clean, well kept, and in accordance with the Act.

Vital Statistics.—The number of births registered in the year 1913 again shows a decrease and is the lowest recorded in the last six years—251. Males, 120; females, 131. Of these 19 were illegitimate. 247 were born in the district and 6 were born to residents of Egham, but temporarily living elsewhere.

One hundred and twenty-four deaths were registered in the district, twenty-one of whom were non-residents. Seventeen persons belonging to Egham died outside the district, making the nett deaths one hundred and twenty.

The annual rate per 1,000 living—

	Births.	Deaths.		Deaths under 1 year. per 1,000 births.
		Crude.	Standardised	
England and Wales ...	23·9	13·7	13·4	109
96 great towns (including London)	25·1	14·3	14·7	116
146 smaller towns ...	23·9	12·8	13·0	112
England and Wales (less the 241 towns) ...	22·2	13·1	12·1	96
London	24·8	14·2	14·2	104
Egham	19·8	9·8	9·4	60

It will be seen from the above table that both the birth and death rates are again considerable below the average for the country.

Infantile Mortality.—Fifteen deaths of infants under one year were registered, the smallest number in the past six years. Not a single death occurred from Diarrhœa.

EGHAM RURAL SANITARY DISTRICT.

TABLE I.

Vital Statistics of Whole District during 1913 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFER-ABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number.	Rate.					Number.	Rate per 1,000 Nett Births.	Number.	Rate.
I	2	3	4	5	6	7	8	9	10	11	12	13
1908	12,871	281	281	21·8	156	12·1	24	18	22	78	150	11·6
1909	13,040	256	256	19·6	147	11·1	24	15	19	77	138	10·5
1910	13,209	276	276	20·8	121	9·1	19	10	16	57	112	8·4
1911	12,551	226	229	19·0	145	11·5	15	27	33	100	157	12·5
1912	12,660	266	269	21·0	140	11·5	19	24	21	71	145	11·4
1913	12,679	245	251	19·8	124	9·8	21	17	15	60	120	9·4

TABLE II.

Cases of Infectious Disease notified during the Year 1913.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.										TOTAL CASES REMOVED TO HOSPITAL.
	At all Ages.	At Ages—Years.									
		Under I.	I to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 & up- wards.			
Small-pox	...	...	...	...	...	...	...	...	...	...	
Cholera, Plague	...	...	...	...	...	...	...	...	...	...	
Diphtheria (including Membranous croup) }	...	21	...	4	12	4	1	...	...	19	
Erysipelas	13	3	...	...	...	2	5	3	...	...	
Scarlet fever	14	...	2	7	3	2	...	...	...	14	
Typhus fever	...	...	...	...	...	...	...	...	...	...	
Enteric fever	...	...	...	...	...	...	...	...	...	...	
Relapsing fever	...	...	...	...	...	...	...	...	...	...	
Continued fever	...	...	...	...	...	...	...	...	...	...	
Puerperal fever	1	...	...	...	1	...	...	...	...	...	
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	
Pulmonary Tuberculosis	31	1	...	3	5	14	7	1	...	...	
Other forms of Tuberculosis	19	1	2	8	3	4	1	...	...	...	
Totals	99	5	8	30	16	23	13	4	...	33	

Isolation Hospital: Englefield Green.

EGHAM RURAL SANITARY DISTRICT.

TABLE III.

Causes of, and Ages at Death during the Year 1913.

CAUSES OF DEATH.						NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT.									TOTAL DEATHS WHETHER OF "RESIDENTS" OR "NON- RESIDENTS" IN INSITU- TIONS IN THE DISTRICT.
						All ages.	Under 1.	1 & under 2.	2 & under 5.	5 & under 15.	15 & und. 25.	25 & und. 45.	45 & und. 65.	65 & upwards.	
I						2	3	4	5	6	7	8	9	10	11
All causes	Certified	...	...	...	...	116	15	5	3	11	9	14	20	39	41
	Uncertified	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Enteric Fever	...	..	...	...	...	..	..	..	..	..	..	..	..	..	..
Small-pox	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Measles	...	...	...	...	...	2	1	1	..	..	..	..	..	..	..
Scarlet fever	...	...	...	...	...	1	..	..	..	1	..	..	..	..	1
Whooping-cough	...	...	...	...	...	1	1	..	..	..	..	..	..	..	..
Diphtheria and Croup	...	...	...	...	...	5	..	..	..	5	..	..	..	..	5
Influenza	...	...	...	...	...	1	..	..	..	..	..	..	..	1	..
Erysipelas	...	...	...	...	...	2	2	..	..	..	..	..	..	..	..
Phthisis (Pulmonary Tuberculosis)	...	...	...	...	...	3	..	..	..	..	1	..	2	..	1
Tuberculous Meningitis	...	...	...	...	...	2	..	..	1	1	..	..	..	..	..
Other tuberculous diseases	...	...	...	...	...	5	2	1	1	..	..	..	1	..	..
Cancer, malignant disease	...	...	...	...	...	13	..	..	..	..	..	3	5	5	2
Rheumatic fever	...	...	...	...	...	1	..	..	..	..	..	1	..	..	..
Meningitis	...	...	...	...	...	1	..	..	..	1	..	..	..	..	1
Organic Heart Disease	...	...	...	...	...	13	..	..	..	1	..	1	3	8	3
Bronchitis	...	...	...	...	...	6	1	..	1	..	2	..	1	1	1
Pneumonia (all forms)	...	...	...	...	...	7	1	1	..	..	..	1	..	4	5
Other diseases of Respiratory organs	...	...	...	...	...	1	..	..	..	1	..	..	..	..	..
Diarrhoea and Enteritis	...	...	...	...	...	2	..	1	..	1	..	..	..	..	..
Appendicitis and Typhlitis	...	...	...	...	...	1	..	..	..	..	1	..	..	..	..
Cirrhosis of Liver	...	...	...	...	...	2	..	..	..	..	2	..	..	..	..
Alcoholism	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Nephritis and Bright's Disease	...	...	...	...	...	5	1	..	..	..	..	2	1	1	1
Puerperal fever	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Other accidents and diseases of Pregnancy and Parturition	...	...	...	...	...	1	1	..	..	..	..	..	..	..	..
Congenital Debility and Malformation, in- cluding Premature Birth	...	...	...	...	...	3	3	..	..	..	..	..	..	..	..
Violent Deaths, excluding Suicide	...	...	...	...	...	1	..	..	..	..	..	1	..	..	1
Suicides	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Other defined diseases	...	...	...	...	...	37	2	1	..	..	3	5	7	19	20
Diseases ill-defined or unknown	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
						116	15	5	3	11	9	14	20	39	41

EGHAM RURAL SANITARY DISTRICT.

TABLE IV.

Infantile Mortality in 1913. Nett Deaths from Stated Causes
at various Ages under One Year of Age.

CAUSES OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
ALL CAUSES	Certified	...	...	3	...	1	1	5	2	2	3	3	15
	Uncertified	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	1	...	1
	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	1	...	1
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	1	1	1	...	...	...	2
	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	1	1
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	1	1
	...	...	...	...	...	...	...	...	...	...	1	...	1
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	...	...	...	...	...	...	1	...	...	1
	...	...	...	...	...	...	...	...	...	...	...	...	...
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	1	1
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	1	1
	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia (all forms)	...	...	...	...	...	...	...	...	...	...	...	1	1
	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth	...	...	...	1	...	...	...	1	...	...	...	...	1
	...	...	...	...	...	...	...	...	...	...	...	...	...
Atelectasis	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	...	...	...	2	...	1	...	3	...	...	...	...	3
	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy Debility and Marasmus	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes	...	...	...	...	...	...	...	...	1	1	...	...	2
	...	...	...	...	...	...	...	...	...	...	...	...	...
				3	...	1	1	5	2	2	3	3	15

Nett Births in the year { legitimate 232
 { illegitimate 19

Nett Deaths in the year of { legitimate infants ... 14
 { illegitimate infants ... 1

